

Air Monitoring Summary Tables

The table below summarize monitoring data collected on using EPA's Viper wireless remote monitoring system.



Project Name: Aliceville Train Derailment

Date: November 9, 2013

Time: 12:00 - 16:00

SW of Derailment & County Rd 2						
Instrument	Analyte	Number of Readings ^a	Number of Detections ^b	Number of 1-hour TWA Exceedances ^c	Concentration Range	Period TWA ^d
Area Rae (.134)	VOCs	208	1	0	0 - 0.5 ppm	0.001042
Data Ram (.228)	PM-2.5	220	219	0	0 - 307 ug/m3	4.228837

Essie Dr & County Rd 13						
Instrument	Analyte	Number of Readings ^a	Number of Detections ^b	Number of 1-hour TWA Exceedances ^c	Concentration Range	Period TWA ^d
Area Rae (.229)	VOCs	313	312	0	0.1 - 1.5 ppm	0.963014
Data Ram (.227)	PM-2.5	314	314	0	5.9 - 19.3 ug/m3	8.365309

W of Derailment & County Rd 2						
Instrument	Analyte	Number of Readings ^a	Number of Detections ^b	Number of 1-hour TWA Exceedances ^c	Concentration Range	Period TWA ^d
Area Rae (.230)	VOCs	171	124	0	0 - 2.6 ppm	0.39349
Data Ram (140)	PM-2.5	124	124	0	4.4 - 22.1 ug/m3	7.145809

Notes:

a Values recorded by the instrument

b Values at or above the instrument's detection limits

AreaRae VOC	0.1 ppm
DataRam	0.1 ug/m3

c 1-hour TWA values at or above the 1-hour TWA Alarm Level

AreaRae VOC	5 ppm
DataRam	200 ug/m3

d Monitoring period was approximately 8 hours, therefore the final 8-hour TWA is displayed

< Less than

PM-2.5 Particulate matter with an average diameter less than 2.5 microns

ppm Parts per million

ug/m3 micrograms per cubic meter

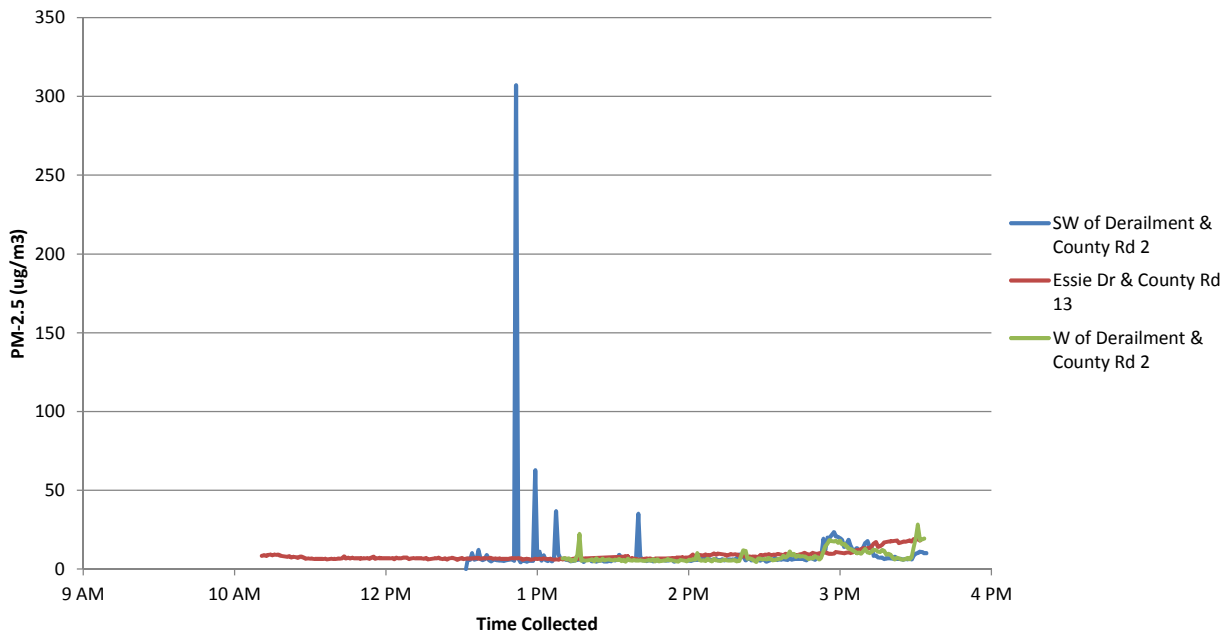
VOC Volatile organic compounds

Air Monitoring Summary Charts

The charts below summarize EPA monitoring data collected throughout 11/09 day.



**DataRam Instantaneous PM-2.5 Values
11/09 day**



**AreaRae Instantaneous VOC Values
11/09 day**

